



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt resolution to award bids for purchase of polemount and padmount transformers (\$96,812.30) (EUD)

MEETING DATE: December 17, 2003

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt a resolution awarding the bids for the purchase of polemount and padmount transformers to the bidders whose proposal and equipment meet City of Lodi specifications, and whose transformers are expected to yield the lowest overall life-cycle costs,

Wesco Distribution, San Leandro (polemounts & 112.5kVA padmounts)	\$33,819.50
Western States Electric, Portland, OR (50, 75, and 750kVA padmounts)	\$45,239.91
Howard Industries, Laurel, MS (37.5kVA padmounts)	\$ 6,038.31
Ermco, c/o Hees Enterprises, Astoria, OR (500kVA padmounts)	\$11,714.58

BACKGROUND INFORMATION: On May 21, 2003, the City Council authorized the Electric Utility Department and the Purchasing Division to advertise for bids as necessary to meet the Electric Utility Department's requirements for polemount and padmount transformers through the fiscal year ending June 30, 2005.

On December 2, 2003, bids were opened for three sizes of polemount and six sizes of padmount transformers, and life-cycle costs were evaluated. (Life-cycle costs are the combined total of purchase price plus cost of operation based on estimated power loss during the projected life of the transformer. Proposals are also evaluated on the basis of compliance with equipment and bid specifications. Failure to comply with both may lead to disqualification of the bid.) A summary of the bid evaluation is attached as Exhibit A.

The polemount transformers are expected to be used in the reconstruction of the overhead distribution system near Church Street between Chestnut and Park Streets, and in the area south of Tokay Street and west of Hutchins Street. The padmount transformers are expected to be used in the Millsbridge #2 and Legacy #1 and #2 subdivisions, Millswood School, Tienda and Mills Professional offices, and the Plummer Cadillac auto dealership. A portion of the orders will be placed into inventory for use in the event of equipment failures or emergencies.

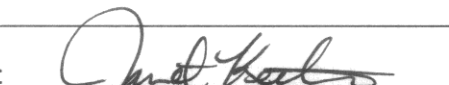
FUNDING: Electric Utility Department 2003-2005 Financial Plan and Budget, Line Extensions, Business Unit #161651, Page E-41


Vicky McAthie, Finance Director


Alan N Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

APPROVED:


J.H. Dixon Flynn, City Manager

RESOLUTION NO. 2003-234

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BIDS FOR THE PURCHASE OF
POLEMOUNT AND PADMOUNT TRANSFORMERS

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on December 2, 2003, at 11:00 a.m. for the purchase of polemount and padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on May 21, 2003. The quantity and type are as follows:

Padmount Transformers			Polemount Transformers		
6	Each	37.5 kVA, 240/120 Volt, Single Phase Pad	8	Each	37.5 kVA, 120/240 Volt, Single Phase CP Pole
25	Each	50 kVA, 240/120 Volt, Single Phase Pad	10	Each	50 kVA, 120/240 Volt, Single Phase CP Pole
8	Each	75 kVA, 240/120 Volt, Single Phase Pad	7	Each	37.5 kVA, 277 Volt, Single Phase Conv. Pole
5	Each	112.5 kVA, 208Y/120 Volt, Three Phase Pad			
1	Each	750 kVA, 208Y/120 Volt, Three Phase Pad			
2	Each	500 kVA, 480Y/277 Volt, Three Phase Pad			

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached; and

WHEREAS, the City Manager recommends the award of the bid for the various types and sizes of Polemount and Padmount Transformers for the Electric Utility Department, be made to the bidders whose proposal and equipment meet City of Lodi specifications and whose transformers are expected to yield the lowest overall life-cycle costs as shown as follows:


Wesco Distribution, San Leandro	Polemounts and 112.5 kVA Padmounts	\$33,819.50
Western States Electric, Portland, OR	50, 75, and 750 kVA Padmounts	\$45,239.91
Howard Industries, Laurel, MS	37.5 kVA Padmounts	\$ 6,038.31
Ermco, c/o Hees Enterprises, Astoria, OR	500 kVA Padmounts	\$11,714.58

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that the award of the bids for the purchase of polemount and padmount transformers for the Electric Utility Department, be and the same is hereby awarded to the bidders listed above.

Dated: December 17, 2003

I hereby certify that Resolution No. 2003-234 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 17, 2003, by the following vote:

AYES: COUNCIL MEMBERS – Beckman, Hitchcock, Howard, Land, and Mayor Hansen
NOES: COUNCIL MEMBERS – None
ABSENT: COUNCIL MEMBERS – None
ABSTAIN: COUNCIL MEMBERS – None


SUSAN J. BLACKSTON
City Clerk

Transformer Bid Evaluation

Bid Opening: December 2, 2003

Padmount

December 3, 2003

Tax (factor): 1.0775
 No Load Loss \$/watt: 3.75
 Load Loss \$/watt: 1.25

Bid Item 1: 37.5 kVA, 240/120 Volt, Single Phase Pad

Number of units: 6 28 >1.50

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Howard Industries, Inc.	934.00	5,604.00	6,038.31	88	320	1,980.00	2,400.00	4,380.00	10,418.31	6-8	24	1.600
Wesco Distribution	994.00	5,964.00	6,426.21	72	333	1,620.00	2,497.50	4,117.50	10,543.71	8-10	24	1.650
Central Moloney, Inc.	1,036.00	6,216.00	6,697.74	78	350	1,755.00	2,625.00	4,380.00	11,077.74	10	26	1.570
G E Supply	1,074.00	6,444.00	6,943.41	72	355	1,620.00	2,662.50	4,282.50	11,225.91	8	30	1.700
Ermco / Hess Enterprises, Inc.	1,124.00	6,744.00	7,266.66	76	318	1,710.00	2,385.00	4,095.00	11,361.66	8-11	28	1.700
Kuhlman Electric	1,200.00	7,200.00	7,758.00	91	347	2,047.50	2,602.50	4,650.00	12,408.00	8-10	27	1.600
Western States (Cooper)	1,007.00	6,042.00	6,510.26	53	749	1,192.50	5,617.50	6,810.00	13,320.26	9-11	24	3.640
Western States (Pauwels)	No Bid											

Bid Item 2: 50 kVA, 240/120 Volt, Single Phase Pad

Number of units: 25 28 >1.60

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Western States (Cooper)	935.00	23,375.00	25,186.56	81	549	7,593.75	17,156.25	24,750.00	49,936.56	9-11	24	1.800
Howard Industries, Inc.	992.00	24,800.00	26,722.00	97	452	9,093.75	14,125.00	23,218.75	49,946.75	6-8	24	1.800
Wesco Distribution	1,096.00	27,400.00	29,523.50	80	422	7,500.00	13,187.50	20,687.50	50,211.00	8-10	24	1.760
G E Supply	996.00	24,900.00	26,829.75	95	468	8,906.25	14,625.00	23,531.25	50,361.00	8	26.8	1.520
Central Moloney, Inc.	1,149.00	28,725.00	30,951.19	101	412	9,468.75	12,875.00	22,343.75	53,294.94	10	32	1.620
Ermco / Hess Enterprises, Inc.	1,178.00	29,450.00	31,732.38	92	422	8,625.00	13,187.50	21,812.50	53,544.88	8-11	28	1.700
Kuhlman Electric	1,158.00	28,950.00	31,193.63	102	459	9,562.50	14,343.75	23,906.25	55,099.88	8-10	27	1.800
Western States (Pauwels)	No bid											

Bid Item 3: 75 kVA, 240/120 Volt, Single Phase Pad

Number of units: 8 28 >1.80

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Western States (Cooper)	1,242.00	9,936.00	10,706.04	120	687	3,600.00	6,870.00	10,470.00	21,176.04	9-11	24	2.000
Howard Industries, Inc.	1,306.00	10,448.00	11,257.72	138	600	4,140.00	6,000.00	10,140.00	21,397.72	6-8	24	2.000
Wesco Distribution	1,114.00	8,912.00	9,602.68	141	775	4,230.00	7,750.00	11,980.00	21,582.68	8-10	24	1.990
Central Moloney, Inc.	1,397.00	11,176.00	12,042.14	125	580	3,750.00	5,800.00	9,550.00	21,592.14	10	32	2.020
Ermco / Hess Enterprises, Inc.	1,398.00	11,184.00	12,050.76	114	628	3,420.00	6,280.00	9,700.00	21,750.76	9-12	28	2.000
Kuhlman Electric	1,525.00	12,200.00	13,145.50	124	688	3,720.00	6,860.00	10,580.00	23,725.50	8-10	27	1.900
G E Supply	1,237.00	9,896.00	10,662.94	133	632	3,990.00	6,320.00	10,310.00	20,972.94	8	26.8	1.370 ***
Western States (Pauwels)	No bid											

*** Does not meet specifications

Bid Item 4: 112.5 kVA, 208Y/120 Volt, Three Phase Pad

Number of units: 5

65 >2.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Wesco Distribution	3,010.00	15,050.00	16,216.38	289	837	5,418.75	5,231.25	10,650.00	26,866.38	8-10	42.5	2.670
Ermco / Hess Enterprises, Inc.	3,091.00	15,455.00	16,652.76	244	1026	4,575.00	6,412.50	10,987.50	27,640.26	8-9	49	3.800
Western States (Pauwels)	3,393.00	16,965.00	18,279.79	220	902	4,125.00	5,637.50	9,762.50	28,042.29	9-11	58	2.560
Western States (Cooper)	3,561.00	17,805.00	19,184.89	270	845	5,062.50	5,281.25	10,343.75	29,528.64	9-11	50	2.530
Howard Industries, Inc.	3,542.00	17,710.00	19,082.53	240	1047	4,500.00	6,543.75	11,043.75	30,126.28	6-8	67	2.200
G E Supply	3,994.00	19,970.00	21,517.68	269	1006	5,043.75	6,287.50	11,331.25	32,848.93	8	48.1	3.960
Central Moloney, Inc.	4,606.00	23,030.00	24,814.83	170	1197	3,187.50	7,481.25	10,668.75	35,483.58	10	65	2.040
Kuhlman Electric	No bid											

Bid Item 5: 750 kVA, 208Y/120 Volt, Three Phase Pad

Number of units: 1

90 >5.30

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Western States (Cooper)	8,675.00	8,675.00	9,347.31	906	5549	3,397.50	8,936.25	10,333.75	19,681.06	9-11	64	5.741
Western States (Pauwels)	8,951.00	8,951.00	9,644.70	697	6001	2,613.75	7,501.25	10,115.00	19,759.70	9-11	72	5.750
Wesco Distribution	8,904.00	8,904.00	9,594.06	928	5690	3,480.00	7,112.50	10,592.50	20,186.56	8-10	66.5	5.710
Ermco / Hess Enterprises, Inc.	8,595.00	8,595.00	9,261.11	952	5928	3,570.00	7,410.00	10,980.00	20,241.11	8-12	63	5.900
Howard Industries, Inc.	9,536.00	9,536.00	10,275.04	903	5718	3,386.25	7,147.50	10,533.75	20,808.79	6-8	77	5.900
Central Moloney, Inc.	9,194.00	9,194.00	9,906.54	1068	6993	4,005.00	8,741.25	12,746.25	22,652.79	10	57	6.050
G E Supply	10,606.00	10,606.00	11,427.97	818	7059	3,067.50	8,823.75	11,891.25	23,319.22	10	73.5	5.720
Kuhlman Electric	No bid											

Bid Item 6: 500 kVA, 480Y/277 Volt, Three Phase Pad

Number of units: 2

75 >4.00

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Ermco / Hess Enterprises, Inc.	5,436.00	10,872.00	11,714.58	641	3604	4,807.50	9,010.00	13,817.50	25,532.08	6-9	49	5.500
Wesco Distribution	5,640.00	11,280.00	12,154.20	652	3648	4,890.00	9,120.00	14,010.00	26,164.20	9-11	50.5	5.840
Western States (Cooper)	6,214.00	12,428.00	13,391.17	742	2926	5,565.00	7,315.00	12,880.00	26,271.17	9-11	50	4.420
Western States (Pauwels)	6,684.00	13,368.00	14,404.02	635	3004	4,762.50	7,510.00	12,272.50	26,676.52	9-11	62	4.410
Central Moloney, Inc.	6,785.00	13,570.00	14,621.68	642	2990	4,815.00	7,475.00	12,290.00	26,911.68	10	61	6.140
G E Supply	6,590.00	13,180.00	14,201.45	784	3103	5,880.00	7,757.50	13,637.50	27,838.95	10	57.5	4.670
Howard Industries, Inc.	7,231.00	14,462.00	15,582.81	703	3045	5,272.50	7,612.50	12,885.00	28,467.81	6-8	67	4.500
Kuhlman Electric	No bid											

Polemount

December 3, 2003

Tax (factor): 1.0775
 No Load Loss \$/watt: 3.75
 Load Loss \$/watt: 1.25

Bid Item 1: 37.5 kVA, 120/240 Volt, Single Phase CP Pole

Number of units: 8 48 625

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
Wesco Distribution	594.00	3,564.00	3,840.21	71	467	1,597.50	3,502.50	5,100.00	8,940.21	4-6	42	493
Central Moloney	724.00	4,344.00	4,680.66	92	354	2,070.00	2,655.00	4,725.00	9,405.66	10	39	510
Western States Electric (Cooper)	844.00	5,064.00	5,456.46	75	350	1,687.50	2,625.00	4,312.50	9,768.96	9-11	41	533
ERMCO	830.00	4,980.00	5,365.95	75	366	1,687.50	2,745.00	4,432.50	9,798.45	8-11	34.9	514
Howard Industries	832.00	4,992.00	5,378.88	86	352	1,935.00	2,640.00	4,575.00	9,953.88	8-10	36	497
Kuhlman Electric	837.00	5,022.00	5,411.21	77	436	1,732.50	3,270.00	5,002.50	10,413.71	8-10	38	552
G E Supply	985.00	5,910.00	6,368.03	70	368	1,575.00	2,760.00	4,335.00	10,703.03	10	29.5	623

Bid Item 2: 50 kVA, 120/240 Volt, Single Phase CP Pole

Number of units: 10 51 800

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
Wesco Distribution	728.00	18,200.00	19,610.50	94	457	8,812.50	14,281.25	23,093.75	42,704.25	4-6	39	672
Central Moloney	801.00	20,025.00	21,576.94	99	507	9,281.25	15,843.75	25,125.00	46,701.94	10	41	625
Howard Industries	918.00	22,950.00	24,728.63	117	438	10,968.75	13,687.50	24,656.25	49,384.88	8-10	37	620
ERMCO	1,000.00	25,000.00	26,937.50	93	453	8,718.75	14,156.25	22,875.00	49,812.50	8-11	36.9	668
Western States Electric (Cooper)	984.00	24,600.00	26,506.50	87	495	8,156.25	15,468.75	23,625.00	50,131.50	9-11	41	667
Kuhlman Electric	916.00	22,900.00	24,674.75	111	498	10,406.25	15,562.50	25,968.75	50,643.50	8-10	41	635
G E Supply	1,198.00	29,950.00	32,271.13	103	376	9,656.25	11,750.00	21,406.25	53,677.38	10	33.1	820

Bid Item 3: 37.5 kVA, 277 Volt, Single Phase Conv. Pole

Number of units: 7 48 625

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
Wesco Distribution	615.00	4,920.00	5,301.30	82	327	2,460.00	3,270.00	5,730.00	11,031.30	4-6	36	487
Central Moloney	655.00	5,240.00	5,646.10	88	302	2,640.00	3,020.00	5,660.00	11,306.10	10	39	569
Western States Electric (Cooper)	703.00	5,624.00	6,059.86	75	319	2,250.00	3,190.00	5,440.00	11,499.86	9-11	39	513
G E Supply	636.00	5,088.00	5,482.32	68	420	2,040.00	4,200.00	6,240.00	11,722.32	10	24.8	461
Howard Industries	700.00	5,600.00	6,034.00	91	313	2,730.00	3,130.00	5,860.00	11,894.00	8-10	36	541
ERMCO	786.00	6,288.00	6,775.32	82	324	2,460.00	3,240.00	5,700.00	12,475.32	9-12	32.9	509
Kuhlman Electric	795.00	6,360.00	6,852.90	96	342	2,880.00	3,420.00	6,300.00	13,152.90	8-10	32	491